

 <p align="center"><b>CDM Project Activity Registration and Validation Report Form</b> (By submitting this form, designated operational entity confirms that the proposed CDM project activity meets all validation and registration requirements and thereby requests its registration)</p>	
<b>Section 1: Request for registration</b>	
<b>Name of the designated operational entity (DOE) submitting this form</b>	Det Norske Veritas Certification Ltd. (DNV)
<b>Title of the proposed CDM project activity (Section A.1 of the attached CDM-PDD) submitted for registration</b>	Mysore Cements Limited Portland Slag Cement project
<b>Project participants (Name(s))</b>	Mysore Cements Limited
<b>Sector in which project activity falls</b>	Sectoral Scope Nr. : 04 - Manufacturing industries
<b>Is the proposed project activity a small-scale activity?</b>	<u>Yes</u> / <u>No</u> (underline as applicable)
<b>Section 2: Validation report</b>	
<b>List of documents to be attached to this validation report (please check mark):</b>	
<input checked="" type="checkbox"/> The CDM-PDD of the project activity <input checked="" type="checkbox"/> An explanation by the submitting designated operational entity of how it has taken due account of comments on validation requirements received, in accordance with the CDM modalities and procedures, from Parties, stakeholders and UNFCCC accredited non-governmental organizations; <input checked="" type="checkbox"/> The written approval of voluntary participation from the designated national authority of each Party involved, including confirmation by the host Party that the project activity assists it in achieving sustainable development: <ul style="list-style-type: none"> <li>○ (Attach a list of all Parties involved and attach the approval (in alphabetical order))</li> </ul> <input checked="" type="checkbox"/> Other documents, including any validation protocol used in the validation <ul style="list-style-type: none"> <li>○ Validation Report including a validation protocol and a list of persons interviewed by the validation team during the validation process</li> </ul> <input checked="" type="checkbox"/> Information on when and how the above validation report is made publicly available. <input checked="" type="checkbox"/> Banking information on the payment of the non-reimbursable registration fee <input checked="" type="checkbox"/> A statement signed by all project participants stipulating the modalities of communicating with the Executive Board and the secretariat in particular with regard to instructions regarding allocations of CERs at issuance.	
<b>Executive Summary and Introduction, including</b> <ul style="list-style-type: none"> <li>• <b>Description of the proposed CDM project activity</b></li> <li>• <b>Scope of validation process (include all documentation that has been reviewed and name persons that have been interviewed as part of the validation, as applicable)</b></li> <li>• <b>DOE Validation team (list of all persons involved in the validation, describing functions assumed in the validation)</b></li> </ul>	

**Description of the proposed CDM project activity:**

The project proposed by Mysore Cements Limited for registration as a CDM project involves the increase in share of slag in the production of Portland slag cement (PSC) at Mysore Cements Limited (MCL), Ammasandra, in the Tumkur district of Karnataka. The project activity not only reduces clinker use in the PSC production but also the associated greenhouse gas (GHG) emissions with clinker production, thereby lowering the CO<sub>2</sub> emissions per ton of cement production. The proportion of blending of additive in PSC production is beyond the current market practice in the southern region of India, which is taken as the baseline region for the project.

The total anticipated emission reduction due to the project is around 35 806 tonnes CO<sub>2</sub> equivalents (tCO<sub>2</sub>e) per annum.

**Scope of validation process:**

The validation scope is defined as an independent and objective review of the project design document (PDD). The PDD is reviewed against the criteria stated in Article 12 of the Kyoto Protocol, the CDM modalities and procedures as agreed in the Marrakech Accords and the relevant decisions by the CDM Executive Board, including the approved baseline and monitoring methodology AM0005, version 3. The validation team has, based on the recommendations in the Validation and Verification Manual employed a risk-based approach, focusing on the identification of significant risks for project implementation and the generation of CERs.

**The following documents were reviewed:**

- ☒ Mysore Cements Limited: CDM-PDD for the "Mysore Cements Limited Portland Slag Cement project", Version 03 dated 25<sup>th</sup> September 2006 and its earlier versions.
- ☒ Indian DNA: Letter of approval dated 17<sup>th</sup> January 2006.
- ☒ International Emission Trading Association (IETA) & the World Bank's Prototype Carbon Fund (PCF): *Validation and Verification Manual*. <http://www.vvmanual.info>
- ☒ ACM0005, "Consolidated baseline methodology for increasing the blend in cement production" Version 03 dated 19<sup>th</sup> May 2006.
- ☒ IPCC: *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. 2000

**The following persons were interviewed:**

- ☒ Mysore Cements Limited: B.K Kumar, Executive Vice President,
- ☒ Care Sustainability: Dr Suju George

**The validation team consists of the following personnel:**

Mr Praveen Urs	DNV Certification, Bangalore	Team Leader, GHG auditor
Santosh Jayaram	DNV Certification Colombo	Sector expert
Mr C Kumaraswamy	DNV Certification, Bangalore	Technical reviewer

For further details, please refer to the "Introduction" and "References" Section of DNV's Validation Report (DNV Report 2006-9006, rev. 02).

**Description of methodology for carrying out validation**

- **Review of CDM-PDD and additional documentation attached to it**
- **Assessment against CDM requirements (e.g. by use of a validation protocol)**

- **Report of findings by the DOE, e.g. by use of type of findings (e.g. corrective action requests, clarifications or observations). Please explain the way findings are "labelled" during validation.**
- **Include statements or assessments in the section "Conclusions, final comments and validation opinion" below.**

The validation consisted of the following three phases:

- A desk review of the project design documentation.
- Follow-up interview with project stakeholders.
- The resolution of outstanding issues and the issuance of the validation report and opinion.

The PDD for the "Mysore Cements Limited Portland Slag Cement" project (version 01 dated 16<sup>th</sup> August 2005, version 02 dated 14<sup>th</sup> November 2005 and the final version 03 dated 25<sup>th</sup> September 2006) submitted by Mysore Cements Limited and additional background documents related to the project design and baseline were reviewed as a part of validation.

On 21<sup>st</sup> February 2006, DNV performed interviews with project stakeholders to confirm selected information and to resolve issues identified in the document review. Representatives of Company Mysore Cements Ltd were interviewed.

In order to ensure transparency, a validation protocol has been customized for the project, according to the Validation and Verification Manual. The protocol shows, in a transparent manner, criteria (requirements), means of verification and the results from validation of the identified criteria.

Findings established during the validation can either be seen as a non- fulfilment of validation criteria or where a risk to the fulfilment of project objectives is identified. Such findings are termed Corrective Action Requests (CAR). The term Clarification may be used where additional information is needed to fully clarify an issue. The Corrective Action Requests and requests for Clarification raised by DNV were resolved through communication with the project participants. To guarantee the transparency of the validation process, the concerns raised by DNV and the response provided by the project participants are documented in the DNV's Validation Report.

For further details, please refer to the "Methodology" Section of DNV's Validation Report (DNV Report 2006-9006, rev. 02) and the IETA/PCF Validation and Verification Manual ([www.vvmanual.info](http://www.vvmanual.info)).

**Explanation by the submitting designated operational entity of how it has taken due account of comments on validation requirements received, in accordance with the CDM modalities and procedures, from Parties, stakeholders and UNFCCC accredited non-governmental organizations;**

- **Description of how and when the PDD was made publicly available**
- **Description of how comments were received and made publicly available**
- **Explanation of how due account has been taken of comments received**
- **Compilation of all comments received (Identify the submitter)**

The PDD (version 02 dated 14<sup>th</sup> November 2005) was made publicly available on DNV's climate change website ([www.dnv.com/certification/climatechange](http://www.dnv.com/certification/climatechange)) and Parties, stakeholders and NGOs were through the CDM website invited to provide comments during a 30 days period from 22<sup>nd</sup> November 2005 to 21<sup>st</sup> December 2005. No comment was received.

Please refer to the "Comments by Parties, Stakeholders and NGOs" Section of DNV's Validation Report (DNV Report 2006-9006, rev. 02) and the above mentioned CDM website.

**Conclusions, final comments and validation opinion**

- ***Provide conclusions on each requirement under paragraph 37 of the CDM modalities and procedures, describing how these requirements have been met. This shall include assessments and findings (e.g. corrective action requests, clarifications or observations) in relation to each requirement, including a confirmation that all issues raised have been addressed to the satisfaction of the DOE.***
- ***Final comments and validation opinion***

Det Norske Veritas Certification Ltd. (DNV) has performed a validation of the “Mysore Cements Limited Portland Slag Cement” project in India. The validation was performed on the basis of UNFCCC criteria for the Clean Development Mechanism and host country criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The review of the project design documentation and the subsequent follow-up interviews have provided DNV with sufficient evidence to determine the fulfilment of stated criteria.

The host country is India which is currently the only project participant. The host Party India meets the relevant participation requirements for the CDM and has approved its voluntary participation in the project. The DNA of India has also confirmed that the project assists in achieving sustainable development..

The project activity will reduce clinker production and associated GHG emissions by displacing clinker with slag in the production of Portland slag cement. Emissions arising from the calcination of limestone and fossil-fuel based process energy will be reduced. By increasing the percentage of slag in the cement production, the project results in reduction of CO<sub>2</sub> emissions that are real, measurable and gives long-term benefits to the mitigation of climate change. An analysis of relevant barriers demonstrates that the proposed project is not a likely baseline scenario and emission reductions are hence additional to any that would occur in its absence.

The project correctly applies AM0005 version 03; “Consolidated baseline methodology for increasing the blend in cement production. The baseline has been selected by determining the common prevailing clinker percentage of PSC in other manufacturing plants in the selected region that use similar raw material as the project and which face similar economic, market and technical circumstances. It is justified that the proposed project activity itself is not a likely baseline scenario.

The monitoring plan adequately addresses all necessary information for monitoring and reporting of emission reductions due to the project activity.

The total emission reductions from the project are estimated to be on the average 35 806 tCO<sub>2</sub>e per year over the selected 10 year fixed crediting period. The emission reduction forecast has been checked and is deemed likely that the stated amount is achieved given that the underlying assumptions do not change.

Adequate training and monitoring procedures have been implemented.

In summary, it is DNV’s opinion that the “Mysore Cements Limited Portland Slag Cement” project, as described in the PDD, version 03 of 25<sup>th</sup> September 2006, meets all relevant UNFCCC requirements for the CDM and all relevant host country criteria and correctly applies the baseline and monitoring methodology ACM0005, version 03. Given that the project is implemented as described, the estimate for the anticipated emission reductions stated in the project design document is reasonable and likely to be achieved. DNV thus requests the registration of the project as a CDM project activity.

For further details, please refer to DNV's Validation Report (DNV Report 2006-9006, rev. 02).

*The DOE declares herewith that in undertaking the validation of this proposed CDM project activity it has no financial interest related to the proposed CDM project activity and that undertaking such a validation does not constitute a conflict of interest which is incompatible*

<i>with the role of a DOE under the CDM.</i>		
By submitting this validation report, the DOE confirms that all validation requirements are met.	Susanne Haefeli-Hestvik	
Name of authorized officer signing for the DOE		
Date and signature for the DOE	17 Oct. 2006 <i>S. Haefeli-Hestvik</i>	
<b>1.1.1.1 Section below to be filled by UNFCCC secretariat</b>		
Date when the form is received at UNFCCC secretariat		
Date at which the registration fee has been received		
Date at which registration shall be deemed final		
Date of request for review, if applicable		
Date and number of registration	Date	Number